

CR 510 wetlands adjacent to and/or bisected by existing roads along the alternate route: Mile Point (MP) 0.0 is the intersection of the Triple A Rd. and CR 510

MP 2.7 Sedge meadow floodplain wetland at small stream crossing, about 50 feet wide each side of the road. The road grade is approximately 15 feet high at this location. The roadway footprint width was 27 feet.

MP 3.1 to 3.2 on east side and MP3.2 to 3.4 on the west side

Wooded swamp with hemlock, yellow birch, sugar maple, red maple, sensitive fern, and *Carex crinita* dominating.

MP 3.5 wet meadow at intermittent stream crossing both sides of road, continuing to MP 3.6 in Yellow Dog River floodplain on west side- wet meadow and forested wetland floodplain, with forested portion vegetation dominance same as previous.

MP 3.8 Sedge meadow wetland, about 100 -150 feet wide both sides of the road.

MP 4.5 30-foot wide wet meadow swale, east side of the road.

MP 5.5 Bridge crossing stream with wetland floodplain both sides of the road, about 0.1 mile in width, which appeared to be Hardwood Conifer Swamp.

MP 6.0 Roadway footprint width of 27 feet.

MP 6.5- 6.7 Wet meadow, northern shrub thicket wetland mix on west side of road at stream crossing. Northern Hardwood swamp and stream in road ditch along the east side of the road in the same vicinity for about 150 feet.

MP 7.0 100 foot wide sedge meadow, both sides of the road.

MP 7.5 Hairpin curve, no adjacent wetlands or streams visible.

MP 8.1 to 8.2 Forested wetland dominated by same species as previous forested wetlands noted along this route (Red Maple, Yellow Birch, Hemlock, tag alder, and *Carex crinita*).

MP 8.8, 8.9, 9.0

Small stream crossings each with about 50 foot width of wet meadow floodplain both sides of the road.

MP 9.2 to 10.0

Stream flowing in east road ditch, through Northern shrub thicket, with wetland continuing adjacent to east side of road with wet meadow inclusions to MP 10.1.

MP 9.5 to 9.8 west side

Stream in west ditch with adjacent mixture of wet meadow and N. shrub thicket.

MP 11.2 Intermittent stream crossing with 30 foot wide wet meadow/ N shrub thicket mixed wetland floodplain.

MP 11.9 Red Road intersection

Red Road wetlands adjacent to and/or bisected by the existing road:

MP 13.0 Roadway footprint is 29 feet wide.

MP 15.2- Deer Creek Crossing with wetland floodplain area of N. shrub thicket about 200 feet wide both sides of the road.

MP 15.5 to 15.6

2nd crossing of Deer Creek with N. shrub thicket wetland on south side.

MP 15.7 to 15.9 –

3rd crossing of Deer Creek just upstream of the Dead River, including N. shrub thicket wetland on both sides of the road.

MP 16.8 to 17.8

Red Road runs near the Dead River Basin, with camps on the south side of the road. There is jack pine plain to the north. Both the January and April 2012 routes are the same in this area. At MP 17.8 there is a camp off the north side of the road, about 300 feet off the road.

MP 18.5 150 feet both sides of the road is N. shrub thicket wetland.

MP 19.0 CR AAO bridge over the Dead River, with associated restored wetlands containing a mix of recovering N. shrub thicket and cattail areas.

MP 20.2 Intersection of CR AAO and AAP (this is on or very near the southern portion of the route).

Wetlands adjacent to or bisected by the approximate southern portion of CR 510/Red Rd. alternate route:

MP 20.5 East side of road (CR AAP and/or Sleepy Hollow Rd.), 100 feet of willow and alder shrub swamp.

MP 23.5 to 23.7

Beaver pond and wet meadow wetland located about 50 feet east of existing road.

MP 24 to 24.1

Hardwood Conifer Swamp (HCS) east side and wet meadow west side, then extending both sides to MP 24.2

MP 24.2 Roadway footprint width is 18 feet.

MP 24.4 AECOM #5050

MP 25 100 feet of willow and alder shrub swamp west side of road.

MP 25.2 to 26.2

Intersection with Wolf Lake Road just North of Brocky Lake. Proposed January 2012 route goes to east of residential/camp area onto timberland properties. Existing road along lake bisects Northern Hardwood Swamp (NHS) and N. shrub thicket mixture of wetlands. Soils map shows that proposed route appears to be located mostly on moderately well-drained soils (see attached).

MP 27

Intersection with road from NE in jack pine plain. This is the approximate location where the CR 510/Red Road route meets the proposed CR 595 route along Wolf Lake Road.

Note- There are 17 mailboxes along the paved portion of the Wolf Lake Road from MP 32.2 to the M-28 intersection at MP 33.